RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/533,300_

Source: _PCT/10_

Date Processed by STIC: _5/12/05_

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RAW SEQUENCE LISTING   DATE: 05/12/2005
PATENT APPLICATION: US/10/533,300   TIME: 08:22:30

Input Set : A:\PTO.DA.txt
Output Set: N:\CRF4\05122005\J533300.raw

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 3 <110> APPLICANT: Meder, Wolfgang
 4         Wendland, Martin
 5         John, Harald
 6         Richter, Rudolf
 7         Meyer, Markus
 8         Forssmann, Wolf-Georg
10 <120> TITLE OF INVENTION: Human Chondroosteomodulin (TIG2), Production, and Use for
the
11         Treatment or Diagnosis of Bone Diseases, Cartilage Diseases,
12         Obesity, Inflammatory Diseases, and Skin Diseases
14 <130> FILE REFERENCE: 2388.0010000/SRL/BLS
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/533,300
C--> 16 <141> CURRENT FILING DATE: 2005-04-29
16 <150> PRIOR APPLICATION NUMBER: PCT/EP03/11799
17 <151> PRIOR FILING DATE: 2003-10-24
19 <160> NUMBER OF SEQ ID NOS: 16
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 134
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
30 Glu Leu Thr Glu Ala Gln Arg Arg Gly Leu Gln Val Ala Leu Glu Glu
31 1               5                   10                  15
34 Phe His Lys His Pro Pro Val Gln Trp Ala Phe Gln Glu Thr Ser Val
35               20                  25                  30
38 Glu Ser Ala Val Asp Thr Pro Phe Pro Ala Gly Ile Phe Val Arg Leu
39           35                  40                  45
42 Glu Phe Lys Leu Gln Gln Thr Ser Cys Arg Lys Arg Asp Trp Lys Lys
43       50                  55                  60
46 Pro Glu Cys Lys Val Arg Pro Asn Gly Arg Lys Arg Lys Cys Leu Ala
47 65                  70                  75                  80
50 Cys Ile Lys Leu Gly Ser Glu Asp Lys Val Leu Gly Arg Leu Val His
51               85                  90                  95
54 Cys Pro Ile Glu Thr Gln Val Leu Arg Glu Ala Glu Glu His Gln Glu
55               100                 105                 110
58 Thr Gln Cys Leu Arg Val Gln Arg Ala Gly Glu Asp Pro His Ser Phe
59           115                 120                 125
62 Tyr Phe Pro Gly Gln Phe
63       130
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 1186
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
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71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of artificial sequence: GORI-28 cDNA
74 <400> SEQUENCE: 2
75 tggtccctgt cttctcttgc agagaatgga ggatgaagat tacaacactt ccatcagtta      60
77 cggtgatgaa taccctgatt atttagactc cattgtggtt ttggaggact tatccccctt     120
79 ggaagccagg gtgaccagga tcttcctggt ggtggtctac agcatcgtct gcttcctcgg     180
81 gattctgggc aatggtctgg tgatcatcat tgccaccttc aagatgaaga agacagtgaa     240
83 catggtctgg ttcctcaacc tggcagtggc agatttcctg ttcaacgtct tcctcccaat     300
85 ccatatcacc tatgccgcca tggactacca ctgggttttc gggacagcca tgtgcaagat     360
87 cagcaacttc cttctcatcc acaacatgtt caccagcgtc ttcctgctga ccatcatcag     420
89 ctctgaccgc tgcatctctg tgctcctccc tgtctggtcc cagaaccacc gcagcgttcg     480
91 cctggcttac atggcctgca tggtcatctg ggtcctggct ttcttcttga gttccccatc     540
93 tctcgtcttc cgggacacag ccaacctgca tgggaaaata tcctgcttca acaacttcag     600
95 cctgtccaca cctgggtctt cctcgtggcc cactcactcc caaatggacc ctgtggggta     660
97 tagccggcac atggtggtga ctgtcacccg cttcctctgt ggcttcctgg tcccagtcct     720
99 catcatcaca gcttgctacc tcaccatcgt gtgcaaactg cagcgcaacc gcctggccaa     780
101 gaccaagaag cccttcaaga ttattgtgac catcatcatt accttcttcc tctgctggtg     840
103 cccctaccac acactcaacc tcctagagct ccaccacact gccatgcctg gctctgtctt     900
105 cagcctgggt ttgcccctgg ccactgccct tgccattgcc aacagctgca tgaaccccat     960
107 tctgtatgtt ttcatgggtc aggacttcaa gaagttcaag gtggccctct tctctcgcct    1020
109 ggtcaatgct ctaagtgaag atacaggcca ctcttcctac cccagccata gaagctttac    1080
111 caagatgtca tcaatgaatg agaggacttc tatgaatgag agggagaccg gcatgctttg    1140
113 atcctcactg tggaaccccct caatggactc tctcaaccca gggaca               1186
116 <210> SEQ ID NO: 3
117 <211> LENGTH: 18
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of artificial sequence: Primer TIG2oli1
124 <400> SEQUENCE: 3
125 gccagggtga cacggaag                                                  18
128 <210> SEQ ID NO: 4
129 <211> LENGTH: 17
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of artificial sequence: Primer TIG2oli2
136 <400> SEQUENCE: 4
137 gaggcaccac gcagctc                                                   17
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 33
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of artificial sequence: Primer COMoli1
148 <400> SEQUENCE: 5
149 ctctcgagaa aagagagctc acggaagccc agc                                 33
152 <210> SEQ ID NO: 6
153 <211> LENGTH: 34
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158 <223> OTHER INFORMATION: Description of artificial sequence: Primer COMoli2
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166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of artificial sequence: Primer mDEZoli1
172 <400> SEQUENCE: 7
173 ggccatgtgc aagatcagca act                                            23
176 <210> SEQ ID NO: 8
177 <211> LENGTH: 23
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of artificial sequence: Primer mDEZoli2
184 <400> SEQUENCE: 8
185 agaatggggt tcatgcagct gtt                                            23
188 <210> SEQ ID NO: 9
189 <211> LENGTH: 21
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of artificial sequence: Primer mDEZoli3
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197 tctacaacgg tggaacagtg a                                              21
200 <210> SEQ ID NO: 10
201 <211> LENGTH: 19
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of artificial sequence: Primer mDEZoli4
208 <400> SEQUENCE: 10
209 aagaaagcca ggacccaga                                                 19
212 <210> SEQ ID NO: 11
213 <211> LENGTH: 22
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of artificial sequence: Primer hDEZ_a_Oli5
220 <400> SEQUENCE: 11
221 cagacaacat aacggtgaat ga                                             22
224 <210> SEQ ID NO: 12
225 <211> LENGTH: 19
226 <212> TYPE: DNA
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230 <223> OTHER INFORMATION: Description of artificial sequence: Primer hDEZ_a_Oli4
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236 <210> SEQ ID NO: 13
237 <211> LENGTH: 23
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of artificial sequence: Primer hDEZoli3
244 <400> SEQUENCE: 13
245 gcacagcatc acttctacca ctt                                       23
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249 <211> LENGTH: 22
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of artificial sequence: Primer hDEZoli2
256 <400> SEQUENCE: 14
257 ctgtagacca ccaccaggaa ga                                        22
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of artificial sequence: Primer GORI28oli1
268 <400> SEQUENCE: 15
269 tggtccctgt cttctcttgc                                           20
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273 <211> LENGTH: 20
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of artificial sequence: Primer GORI28oli2
280 <400> SEQUENCE: 16
281 tgtccctggg ttgagagagt                                           20
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VERIFICATION SUMMARY　　　　　　　　DATE: 05/12/2005
PATENT APPLICATION:　**US/10/533,300**　　TIME: 08:22:31

Input Set : **A:\PTO.DA.txt**
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L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date